

What is Claimed is:

1. A nonlinear optical crystal represented by the formula:  $K_2Al_2B_2O_7$ .

2. A nonlinear optical crystal according to claim 1, which is solution growth by use of a flux.

3. A nonlinear optical crystal according to claim 2, where the flux is at least one kind selected from among lead oxide, sodium fluoride, cesium fluoride, lead fluoride or potassium chloride.

4. A wavelength conversion method of performing wavelength conversion by use of a nonlinear optical crystal according to any of claims 1 to 3.

5. A wavelength conversion element having a construction made of a nonlinear optical crystal according to any of claims 1 to 3.

6. A wavelength conversion apparatus having a construction in which a wavelength conversion element according to claim 5 is incorporated.